

SEQUENCE LISTING

<110> Glenn, Matthew
Grigor, Murray R
Molenaar, Adrian J
Davis, Stephen R

<120> Compositions isolated from bovine
mammary gland and methods for their use.

<130> 11000.1068

<150> US 09/699,146

<151> 2000-10-27

<150> US 60162,701

<151> 1999-10-29

<150> US 09/644,190

<151> 2000-08-22

<150> US 60/150,330

<151> 1999-08-23

<160> 15

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 505

<212> DNA

<213> Bovine

<400> 1

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tcacaggaaa	cggaaaaaac	atcatagagg	atattttcaa	caataaccagc	catatcaacg	180
atatccacta	aattatcctc	ctgcgtatcc	atttccttaa	aatgctgctt	agtaactaca	240
ggacatgatt	agagagattt	ttcacaatga	tttttcctac	tctttctgtt	gtgttgaaaa	300
ccatctttca	aatgaataaa	acaaagaaaa	aaaaatcagt	caagtagttg	cacaacacat	360
acttggaatc	aaatatcaat	attttaaaac	ataataatga	tagtctctga	actatgtaat	420
tggtttctac	tttcttttct	ctgtcactta	ccatgcatgc	ttaataaatt	gatctatcaa	480
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<211> 585

<212> DNA

<213> Bovine

<400> 2

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ggtaccgctg	tccaggactc	caccaaatat	gaagatcttt	atctttatct	tcattatggc	180
tctcatccta	gccatgatta	gagctgattc	atctgaagag	aaacgtcaca	ggaaacggaa	240
aaaacatcat	agaggatatt	ttcaacaata	ccagccatat	caacgatatc	cactaaatta	300

tctctctg	cg	tatccatttc	cttaaaatgc	tgcttagtaa	ctacaggaca	tgattagaga	360
gatttttc	cac	aatgattttt	cctactcttt	ctgttggt	gaaaaccatc	tttcaaata	420
ataaaacaaa	gaaaaaaaa	tcagtcaagt	agttgcacaa	cacatacttg	gaatcaaata		480
tcaatatttt	aaaacataat	aatgacagtc	tctgaactat	gtaattgggt	tctactttct		540
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<210> 3
 <211> 869
 <212> DNA
 <213> Bovine

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ttagagctga	ttcatctgaa	gagaaacg	acaggaaacg	gaaaaaacat	catgtatgta		180
ttctctgat	aatgtggat	agtataagaa	tattttttac	tcagaatatt	tattctataa		240
gagaatacat	atattatctt	gaaatatatc	tatacaatga	ttagcttatg	tgtccattga		300
attatctttt	tatgatacac	taggtaaaga	cccaaagac	ttgtgtgctg	ttactgttta		360
catagaaacc	tataatgcc	ccctgataaa	gccagttatt	ttctaagaaa	agttatttct		420
gtttggtaaa	taattgcctt	cctctgaaga	atactgaaat	tctaattata	ctaagtacaa		480
tatacaccta	aaggaccata	gaggctgcta	aagaacatat	attatgtgg	cagtttccat		540
tttctgattt	cttttgggag	gtaatgtatg	ttaattgacc	aagttaaaga	agagagacaa		600
tttcatttat	ttaacatttt	tcttaatgat	atgtatcact	gggtctctcat	attattttga		660
catgtcta	aat	caggttgata	ggctctccaga	attcttacta	atacagtaag	tactgctact	720
gctactgcta	agttgcttca	gtcatgtcca	actctgtg	cg	accccataga	cagcagcgca	780
ccaggctccc	ctgcccctgg	gattctccag	gcaaggatac	tggagtgggt	tgccatttca		840
gataaattca	aatagcttca	aaaaaaaa					869

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 <211> 604
 <212> DNA
 <213> Bovine

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aatttcatct	ttcatgactg	gactccacca	aatatgaaga	tctttatctt	tgtcttcatt		180
atggctctca	tcctagccat	gattagagct	gattcatctg	aagagaaacg	tcacaggaaa		240
cggaaaaaac	atcatagagg	atattttcaa	caataccagc	catatcaacg	atatccacta		300
aattatcctc	ctgcgtatcc	atttccttaa	aatgctgctt	agtaactaca	ggacatgatt		360
agagagattt	ttcacaatga	tttttcctac	tctttctgtt	gtgttgaaaa	ccatctttca		420
aatgaataaa	acaaagaaaa	aaaaatcagt	caagtagttg	cacaacacat	acttggaatc		480
aaatatcaat	atttttaa	ac	ataataatga	tagtctctga	actatgtaat	tggtttctac	540
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 <212> DNA
 <213> Bovine

<400> 5							
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<212> DNA
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<400> 6
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cacaggaaac ggaaaaaaca tcatgttgat aggtctccag aattcttact aatacaagag 180
gatattttca acaataccag ccataatcaac gatatccact aaattatcct cctgcgtatc 240
catttcctta aaatgctgct tagtaactac aggacatgat tagagagatt tttcacaatg 300
atttttccta ctctttctgt tgtgttgaaa accatctttc aaatgaataa aacaaagaaa 360
aaaaaatcag tcaagtagtt gcacaacaca tacttggaat caaatatcaa tattttaaaa 420
cataataatg atagtctctg aactatgtaa ttggtttcta ctttcttttc tctgtcactt 480
accatgcatg cttaataaat tgatctatca agcataaaaa aaaaa 525

<210> 7
<211> 58
<212> PRT
<213> Bovine

<400> 7
Met Lys Ile Phe Ile Phe Val Phe Ile Met Ala Leu Ile Leu Ala Met
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Ile Arg Ala Asp Ser Ser Glu Glu Lys Arg His Arg Lys Arg Lys Lys
20 25 30
His His Arg Gly Tyr Phe Gln Gln Tyr Gln Pro Tyr Gln Arg Tyr Pro
35 40 45
Leu Asn Tyr Pro Pro Ala Tyr Pro Phe Pro
50 55

<210> 8
<211> 58
<212> PRT
<213> Bovine

<400> 8
Met Lys Ile Phe Ile Phe Ile Phe Ile Met Ala Leu Ile Leu Ala Met
1 5 10 15
Ile Arg Ala Asp Ser Ser Glu Glu Lys Arg His Arg Lys Arg Lys Lys
20 25 30
His His Arg Gly Tyr Phe Gln Gln Tyr Gln Pro Tyr Gln Arg Tyr Pro
35 40 45
Leu Asn Tyr Pro Pro Ala Tyr Pro Phe Pro
50 55

<210> 9
<211> 70
<212> PRT
<213> Bovine

<400> 9
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1 5 10 15
Ile Arg Ala Asp Ser Ser Glu Glu Lys Arg His Arg Lys Arg Lys Lys
20 25 30
His His Val Cys Ile Pro Leu Ile Met Trp Tyr Ser Ile Arg Ile Phe
35 40 45
Phe Thr Gln Asn Ile Tyr Ser Ile Arg Glu Tyr Ile Phe Ile Phe Glu

50 55 60
 Ile Tyr Leu Tyr Asn Asp
 65 70

<210> 10
 <211> 58
 <212> PRT
 <213> Bovine

<400> 10
 Met Lys Ile Phe Ile Phe Val Phe Ile Met Ala Leu Ile Leu Ala Met
 1 5 10 15
 Ile Arg Ala Asp Ser Ser Glu Glu Lys Arg His Arg Lys Arg Lys Lys
 20 25 30
 His His Arg Gly Tyr Phe Gln Gln Tyr Gln Pro Tyr Gln Arg Tyr Pro
 35 40 45
 Leu Asn Tyr Pro Pro Ala Tyr Pro Phe Pro
 50 55

<210> 11
 <211> 21
 <212> PRT
 <213> Bovine

<400> 11
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 1 5 10 15
 Ala Tyr Pro Leu Ser
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<210> 12
 <211> 59
 <212> PRT
 <213> Bovine

<400> 12
 Met Lys Ile Phe Ile Phe Val Phe Ile Met Ala Leu Ile Leu Ala Met
 1 5 10 15
 Ile Arg Ala Asp Ser Ser Glu Glu Lys Arg His Arg Lys Arg Lys Lys
 20 25 30
 His His Val Asp Arg Ser Pro Glu Phe Leu Leu Ile Gln Glu Asp Ile
 35 40 45
 Phe Asn Asn Thr Ser His Ile Asn Asp Ile His
 50 55

<210> 13
 <211> 8
 <212> PRT
 <213> Artificial sequence

<220>
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 <223> Xaa = Any Amino Acid

<400> 13
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1 5

<210> 14
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Artificial sequence

<400> 14
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1 5

<210> 15
<211> 267
<212> DNA
<213> Bovine

<400> 15
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tcacaggaaa cggaaaaaac atcatagagg atattttcaa caataccagc catatcaacg 180
atatccacta aattatcctc ctgcgtatcc atttccttaa aatgctgctt agtaactaca 240
ggacatgatt agagagattt ttcacaa 267